

Title (en)
PLASTIC FILM ROLL WITH CONVOLUTE CARDBOARD TUBE

Title (de)
KUNSTSTOFFFOLIENROLLE MIT KONVOLUT-KARTONROHR

Title (fr)
ROULEAU DE FILM PLASTIQUE AVEC TUBE EN CARTON CONVOLUTÉ

Publication
EP 4166488 B1 20240605 (EN)

Application
EP 22170287 A 20220427

Priority
US 202117503068 A 20211015

Abstract (en)
[origin: US11370628B1] A plastic film roll includes: a convolute cardboard tube including a tubular body having a tubular body wall formed by a plurality of layers of a straight rolled cardboard sheet having a weight equal to or less than 300 gsm; a plastic film wound about the convolute cardboard tube to form a plurality of plastic film windings around the convolute cardboard tube, the plastic film windings creating a radial compression force equal to or greater than 10 bar on the tubular body wall, wherein the cardboard sheet includes a plurality of fibers, at least a majority of the fibers being substantially aligned in a tangential direction relative to the tubular body to allow the convolute cardboard tube to resist the radial compression force.

IPC 8 full level
B65H 18/28 (2006.01); **B31C 1/00** (2006.01); **B31C 1/08** (2006.01); **B65H 75/10** (2006.01)

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